

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
10 February 2005 (10.02.2005)

PCT

(10) International Publication Number
WO 2005/011730 A1

(51) International Patent Classification⁷: **A61K 39/00**,
A61P 31/00, 35/00, 37/00

(21) International Application Number:
PCT/GB2004/003285

(22) International Filing Date: 30 July 2004 (30.07.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0318096.5 1 August 2003 (01.08.2003) GB

(71) Applicant (for all designated States except US): **QUEEN
MARY & WESTFIELD COLLEGE** [GB/GB]; Mile End
Road, London E1 4NS (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **WANG, Ping**
[SE/GB]; Centre for Adult & Paediatric Gastroenterology,
Dominion House, School of Medicine & Dentistry, Queen
Mary & Westfield College, West Smithfield, London
EC1A 7BE (GB). **LI, Suling** [SE/GB]; Centre for Adult &
Paediatric Gastroenterology, Dominion House, School of
Medicine & Dentistry, Queen Mary & Westfield College,
West Smithfield, London EC1A 7BE (GB).

(74) Agents: **BASSIL, Nicholas, Charles et al.**; Kilburn &
Strode, 20 Red Lion Street, London WC1R 4PJ (GB).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

WO 2005/011730 A1

(54) Title: **MICROSOME VACCINE**

(57) Abstract: A vaccine composition is provided which comprises inverted microsomes or fragments thereof from an animal cell in association with an externally disposed peptide antigen and a protein of the MHC.